Association between the characteristics of coordination development disorder and symptoms of attention deficit disorder with hyperactivity in children in the city of Manizales

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Abstract

INTRODUCTION:
Developmental coordination disorder (DCD) in childhood is an important public health problem, which has important implications for different spheres of development: motor, cognitive, psychosocial and emotional. Therefore, the presence of comorbidity is common, along with other disorders in child development. This article presents a study that determines the association between DCD characteristics with attention deficit and hyperactivity disorder (ADHD) symptoms.

OBJECTIVE:
To determine the association between DCD characteristics and ADHD symptoms in the city of Manizales, Colombia.

METHODS:
Cross-sectional, descriptive and associative study, in a sample of 140 children aged 6-12, randomised in public and private institutions. A structured interview was conducted, along with the questionnaires MINIKID and Cuestionario para Trastorno del Desarrollo de la Coordinación (CTDC). A descriptive univariate analysis was performed on the the sociodemographic characteristics, as well as association tests with χ² test, and dependence level with ϕ coefficient.

RESULTS:
A statistically significant association was found between the CTDC characteristics with ADHD symptoms (ϕ=.452; P=.001).

CONCLUSIONS:
An association was found in the studied population between the CTDC characteristics and ADHD symptoms, indicating that children with difficulties in motor performance may also have attention difficulties and hyperactivity.